

Title (en)  
CONTROL SYSTEM FOR CRYOSURGERY

Title (de)  
KONTROLLSYSTEM FÜR KRYOCHIRURGIE

Title (fr)  
SYSTEME DE COMMANDE DE CRYOCHIRURGIE

Publication  
**EP 1307155 A4 20060412 (EN)**

Application  
**EP 01961672 A 20010718**

Priority  
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Abstract (en)  
[origin: WO0211638A1] An apparatus and method for automatic operation of a refrigeration system (10) to provide refrigeration power to a catheter for tissue ablation or mapping. The primary refrigeration system (208) can be open loop or closed loop, and a precool loop will typically be closed loop. Equipment and procedures are disclosed for bringing the system to the desired operational state, for controlling the operation by controlling refrigerant flow rate, for performing safety checks, and for achieving safe shutdown.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
• [Y] GB 2337000 A 19991110 - SPEMBLY MEDICAL LTD [GB]  
• [Y] WO 0042931 A1 20000727 - CRYOCATH TECHNOLOGIES INC [CA]  
• [Y] US 4829785 A 19890516 - HERSEY DEVIN W [US]  
• See references of WO 0211638A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0211638 A1 20020214**; **WO 0211638 A9 20030403**; AU 2001282918 B2 20050915; AU 8291801 A 20020218; CA 2418893 A1 20020214; CA 2418893 C 20060606; CA 2516656 A1 20020214; CA 2516656 C 20070724; CA 2517747 A1 20020214; CA 2517747 C 20070522; EP 1307155 A1 20030507; EP 1307155 A4 20060412; JP 2004505664 A 20040226; US 6471694 B1 20021029; US RE40815 E 20090630

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